

Title (en)
Portion formation with multi-track cutting

Title (de)
Portionsbildung beim mehrspurigen Aufschneiden

Title (fr)
Formation de portion lors de la coupe sur plusieurs voies

Publication
EP 2420365 A1 20120222 (DE)

Application
EP 11006612 A 20110810

Priority
DE 102010034675 A 20100818

Abstract (en)
Multitrack slicing of many products, preferably food products (11) of different types into respective portions (13) including at least one product slice, comprises: slicing the products using a common slicing apparatus (15), preferably a high-performance slicer, which has at least one cutting blade rotating in a cutting plane (17) about a blade axis and/or revolves about a central axis in a planetary motion; and individually supplying the products to the cutting blade such that each portion provides a condition predefined for the respective track. Multitrack slicing of many products, preferably food products (11) of different types into respective portions (13) including at least one product slice, comprises: slicing the products using a common slicing apparatus (15), preferably a high-performance slicer, which has at least one cutting blade rotating in a cutting plane (17) about a blade axis and/or revolves about a central axis in a planetary motion; and individually supplying the products to the cutting blade such that each portion provides a condition predefined for the respective track, which relates to the weight of the portion, the weight and/or the thickness of the product slices forming the portion and/or the number of the product slices forming the portion. Independent claims are also included for: (1) forming total portions from many portions, which respectively include at least one slice of a food product, where the portions are produced by multitrack slicing; (2) an apparatus, preferably a high-performance slicer for multitrack slicing, comprising a product feed which includes many conveying devices (29) arranged in parallel next to one another and configured to supply the products in multitracks to the cutting plane in which at least one cutting blade is moved in rotating manner and/or peripherally, where the product feed is configured to supply the products to the cutting blade individually such that each portion provides a condition for a respective track of the multitrack, which relates to the weight of the portion, weight and/or thickness of the product slices forming the portion and/or the number of the product slices forming the portion; and (3) a product line comprising at least one slicing apparatus, preferably a high-performance slicer, and at least one conveying device configured to form total portions.

Abstract (de)
Die Erfindung betrifft ein Verfahren zum gleichzeitigen, mehrspurigen Aufschneiden mehrerer Lebensmittelprodukte, insbesondere Lebensmittelprodukte unterschiedlicher Sorte, in jeweils zumindest eine Produktscheibe umfassende Portionen, bei dem die Produkte mit einer gemeinsamen Aufschneidevorrichtung, insbesondere einem Hochleistungs-Slicer, aufgeschnitten werden, die wenigstens ein Schneidmesser aufweist, das in einer Schneidebene um eine Messerachse rotiert und/oder um eine Mittelachse planetarisch umläuft, und die Produkte dem Schneidmesser derart individuell zugeführt werden, dass jede Portion eine für die jeweilige Spur vorgegebene Bedingung erfüllt, die insbesondere das Gewicht der Portion, das Gewicht und/oder die Dicke der die Portion bildenden Produktscheiben, und/oder die Anzahl der die Portion bildenden Produktscheiben betrifft.

IPC 8 full level
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Citation (applicant)
EP 0713753 B1 20000510 - FORMAX INC [US]

Citation (search report)
• [XY] US 5724874 A 19980310 - LINDEE SCOTT A [US], et al
• [Y] US 2004016331 A1 20040129 - WOLCOTT THOMAS C [US], et al

Cited by
EP2942167A1; EP3378616A3; EP3848168A1; WO2016142231A1; US10377055B2

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